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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/629,660

08/01/2000

Tian-Quey Lee

3094/1H486US1

7603

7590

06/01/2004

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EXAMINER

NGUYEN, JENNIFER T

ART UNIT

PAPER NUMBER

2674

13

DATE MAILED: 06/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/629,660

Applicant(s)

LEE, TIAN-QUEY

Examiner

Jennifer T Nguyen

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2001.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-15 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This Office Action is responsive to Amendment filed on 04/22/2004.
2. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-6, 8-11, and 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al. (U.S. Patent No. 6,269,441) in view of DeMond et al. (U.S. Patent No. 5,214,419) and further in view of Pitau (U.S. Patent No. 6,282,149).

Regarding claims 1, 6, and 11, referring to Figs. 1-5, Lee teaches an electronic device adaptable to an image source device for providing video images (i.e., logo image) from said image source device on a screen via a panel display (50) (Fig. 3), comprising: means (105) (Fig. 2) for receiving video signals from said image source device; buffer means (30) (Fig. 3) coupled to said receiving means for temporarily saving said video signals; a non-volatile memory (20) coupled to the buffer means (30) for saving a selected static image of said video signals as a user-defined logo; a central process unit (102) for determining a display configuration; and means (40) for selecting the video signals output of said buffer means (30) or the user defined logo of the frame buffer in response to a determined display configuration of said central process unit (see abstract, from col. 3, line 35 to col. 6, line 32).

Lee differs from claims 1, 6, and 11 in that he does not specifically teach the electronic device is an electronic projector and a frame buffer connected to the memory for speeding up the display of said video signals. However, referring to Fig. 3, DeMond teaches an electronic projector (from col. 9, line 36 to col. 10, line 52) and referring to Figs. 2 and 4, Pitau teaches a frame buffer (208) connected to a memory (214) for speeding up the display of said video signals (from col. 3, line 64 to col. 4, line 17 and col. 5, lines 5-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the electronic projector as taught by DeMond and the frame buffer as taught by Pitau in the system of Lee in order to provide a projector to project the video image with a high display rate.

Regarding claims 3, 10, and 13, Lee further teaches displaying configuration is selectable from a user-defined logo configuration (from col. 3, line 35 to col. 6, line 32).

Regarding claims 4 and 14, Lee further teaches non-volatile memory (20) is a flash Read-Only-Memory (from col. 3, line 35 to col. 6, line 32).

Regarding claims 5 and 15, the combination of Lee, DeMond, and Pitau teaches frame buffer is a Synchronous Dynamic Random Access Memory (DRAM) (from col. 3, line 64 to col. 4, line 5 of Pitau).

Regarding claim 8, Lee further teaches image is provided by using a graphics application program (from col. 3, line 35 to col. 6, line 32).

Regarding claim 9, Lee further teaches image is provided by selecting a static image from a series of video images of an image source device (from col. 3, line 35 to col. 6, line 32).

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4. Claims 2, 7, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al. (U.S. Patent No. 6,269,441), DeMond et al. (U.S. Patent No. 5,214,419) in view of Pitau (U.S. Patent No. 6,282,149) and further in view of Klingman (U.S. Patent No. 5,337,403).

Regarding claims 2, 7, and 12, the combination of Lee, DeMond, and Pitau differs from claims 2, 7, and 12 in that it does not specifically teach image-mapping means for performing color-mapping operations. However, referring to Fig. 4, Klingman teaches an image-mapping means (36) for performing color-mapping operations (col. 4, lines 10-23 and lines 60-66). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the image-mapping means as taught by Klingman in the system of the combination of Lee, DeMond, and Pitau in order to reduce the memory size of memory by the resolutions of the image have been compressed.

5. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jennifer T. Nguyen** whose telephone number is **703-305-3225**. The examiner can normally be reached on Mon-Fri from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reach at **703-305-4709**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC. 20231

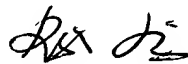
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Or faxed to: 703-872-9306 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, sixth-floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-306-0377.

JNguyen
5/26/2004


REGINA LIANG
PRIMARY EXAMINER